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Nuto HP Series

Hydraulic Oils



Pdf



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Product Description

Exxon Nuto HP Series is a line of high-performance mineral oil-based anti-wear hydraulic oils formulated with additives that provide reduced environmental impact, relative to conventional hydraulic oils, in case of an accidental release into the environment. They are formulated with an advanced ashless anti-wear technology, non-toxic inhibitors and select base oils. These products exhibit excellent anti-wear performance and very good extreme-pressure properties protecting pumps and bearings from premature wear. Their excellent oxidation stability helps allow extension of oil and filter life while reducing the formation of sludge and deposits.

Features & Benefits

Exxon Nuto HP Series oils offer the following benefits.

- Non-toxic properties result in less potential damage to the environment if accidentally spilled or leaked
- Excellent oxidation stability allows extension of oil and filter change intervals
- Exceptional anti-wear properties help reduce wear of mechanical components
- Easier used product disposal

Applications

- Suitable for applications in woodland, marine, mining, pulp and paper, farming and general industry hydraulic systems
- Areas where spillage or leakage could result in environmental damage
- Systems containing bearings and lightly loaded gears
- For use in all hydraulic systems requiring an ISO VG 46 or 68 oil

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Specifications & Approvals

Meets or Exceeds the following industry specifications	Exxon Nuto HP 15	Exxon Nuto HP 22	Exxon Nuto HP 32	Exxon Nuto HP 46
DIN 51524 2		X	X	X
Meets or Exceeds the following industry specifications	Exxon Nuto HP 68	Exxon Nuto HP 100	Exxon Nuto HP 150	
DIN 51524.2	X	X		

Typical Properties

	Exxon Nuto HP 15	Exxon Nuto HP 22	Exxon Nuto HP 32	Exxon Nuto HP 46
Viscosity, ASTM D 445				
cSt @ 40°C	15	22	30	44
cSt @ 100°C	3.45	4.42	5.3	6.7
Viscosity Index, ASTM D 2270	96	105	105	104
Pour Point, °C, ASTM D 97	-33	-33	-30	-30
Flash Point, °C, ASTM D 92	182	206	220	230

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Density @15 °C kg/l, ASTM D 4052		0.872	0.876
	Exxon Nuto HP 66	Exxon Nuto HP 100	Exxon Nuto HP 150
Viscosity, ASTM D 445			
cSt @ 40°C	65	92	150
cSt @ 100°C	8.6	10.5	14.6
Viscosity Index, ASTM D 2270	103	95	93
Pour Point, °C, ASTM D 97	-27	-21	-21
Flash Point, °C, ASTM D 92	240	250	258
Density @15 °C kg/l, ASTM D 4052	0.882	0.884	0.887

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Health & Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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Typical Properties may vary slightly. This product data sheet is based on global product data sheets for use with products purchased in the U.S.

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